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**X. Observations upon the Variation of the Needle made in the Baltick, Anno 1720. By Mr. William Sanderfon. Communicated by Capt. Soame.**

**W**ednesday, June the First 1720, being at Anchor near *Revell*, in the Latitude of  $58^{\circ} 58'$  North, the Magnetical Amplitude at Sun-Set was

*West* ———  $64^{\circ} 30'$  *North*.

And the True was *West* ———  $49 \quad 37$  *North*.

Variation *North* ———  $14 \quad 53$  *West*.

Saturday, July 23, at the Isle *Gottland*, in the Latitude of  $58^{\circ} 21'$  North, at Sun Set, the Magnetical Amplitude was *West* ———  $49^{\circ} 50'$  North, and the True Amplitude, *West* —  $35 \quad 00$  North, which gives the Variation *North*  $14 \quad 50$  *West*.

The Difference of Longitudes of the two foresaid Places by *Dead Reck.* is  $1^{\circ} 50'$ .

October the 24th at *Bornholme*, in the Latitude of  $56^{\circ} 00'$ , at Sun Rising, the Magnetical Amplitude was *East*  $43^{\circ} 15'$  South, and the True was *East*  $28 \quad 31$  which gives the Variation *North*  $14 \quad 44$  *West*.